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- TI - Vehicle occupant protection, on an impact collision, is a carrier plate covered by the layers forming a folded airbag with an outer cladding, to be inflated by gas from a generator on impact
- PR - DE20011023207 20010512
- PN - DE10123207 C1 20020704 DW200248 B60R21/20 005pp
- PA - (NSUM) AUDI AG
- IC - B60R21/16 ;B60R21/20 ;B60R21/22
- IN - TIETZ W
- AB - DE10123207 NOVELTY - The protection system for the occupants of a vehicle, in the event of an impact collision, is a flat carrier plate (1) with a gas generator at the rear side and a covering (5) on the front side with a lower padding layer (6), a center sealing layer (7) and an outer cladding layer (8).
- DETAILED DESCRIPTION - The sealing and cladding layers have a number of folds (9), embedded in the padding layer at least at the passage opening (3) through the plate for the gas flow on impact. When the gas generator (2) is triggered, the gas flow through the passages and unfolds the plate covering into an inflated airbag (10). The outer cladding is an embossed plastics skin.
 - USE - The assembly is for the protection of vehicle occupants against injury, on an impact collision.
 - ADVANTAGE - The system gives an effective protection to the vehicle occupants on a collision, especially with shielding at the knees, in a unit which is visually attractive. The component parts do not deteriorate with age, for reliability.
 - DESCRIPTION OF DRAWING(S) - The drawing shows a schematic section through the airbag assembly as installed.
 - carrier plate 1
 - gas generator 2
 - gas passage openings 3
 - plate covering 5
 - padding layer 6
 - center sealing layer 7
 - outer cladding 8
 - folds 9
 - airbag 10
 - (Dwg.1/2)
- OPD - 2001-05-12
- AN - 2002-445620 [48]